

***Amendments to the Claims:***

This listing of claims will replace all prior versions, and listings, of claims in the application:

***Listing of Claims:***

1-90. (Canceled).

91. (Currently amended) A composition comprising an activated citrus peel extract (ACPE), said ACPE prepared by an activation method comprising:

contacting citrus peels with spores of at least one fungal or bacterial pathogen, said pathogen being a 16 hour to 24 hour old bacteria or a 8 day to 14 day old fungus;

incubating said citrus peels;

extracting the peels with water, and removing the peels from the aqueous liquid, thereby obtaining an aqueous extract; and

filtering said aqueous extract through a membrane having a cutoff of between 800 and 2000 Da and concentrating the extract to obtain said activated citrus peel extract;

wherein said ACPE comprises at least one of the following: oligosaccharides, short peptides, flavonoid glycosides, fatty acids, and triglycerides.

92. (Previously presented) A composition according to claim 91, wherein said ACPE comprises a combination of all of the following: oligosaccharides, short peptides, flavonoid glycosides, fatty acids, and triglycerides.

93. (Previously presented) The composition of claim 92, wherein said ACPE comprises at least 30-60% oligosaccharides, 1-10% short peptides, 10-30% flavonoid glycosides, 5-15% fatty acids, and 5-15% triglycerides.

94. (Previously presented) The composition according to claim 91, wherein said at least one pathogen is selected from a plant fungal pathogen, a plant bacterial pathogen or a combination thereof.

95. (Previously presented) The composition according to claim 94 wherein said plant fungal pathogen is *Penicillium digitatum*.

96. (Currently Amended) A dermatological composition comprising: (i) an activated citrus peel extract (ACPE) comprising 55% oligosaccharides, 5% short peptides, 20% flavonoid glycosides, 10% fatty acids and 10% triglycerides and (ii) a dermatologically acceptable carrier, excipient or diluent; wherein said ACPE is prepared by an activation method comprising:

contacting citrus peels with spores of at least one fungal or bacterial pathogen, said pathogen being a 16 hour to 24 hours old bacteria or a 8 day to 14 day old fungus;

incubating said citrus peels;

extracting the peels with water, and removing the peels from the aqueous liquid, thereby obtaining an aqueous extract; and

filtering said aqueous extract through a membrane having a cutoff of between 800 and 2000 Da and concentrating the extract to obtain said activated citrus peel extract.

97. (Previously presented) The composition according to claim 96 adapted for the treatment of skin conditions associated with a bacterial or a fungal infection.

98. (Previously presented) The composition according to claim 97, wherein said bacterial infection is caused by bacteria selected from *Propionibacterium acnes*, *Enterococcus*, hemolytic *Streptococci*, *Staphylococci* and *M.R.S.A* and wherein said fungal infection is caused by a fungus selected from *Canis*, *Trichophyton*, *Mentagraphtes*, *Rubrum*, *Violaceum*, *Epidermophyton*, *Icrosporum* and *Candida*.

99. (Previously presented) The composition according to claim 97, wherein said skin condition associated with a bacterial infection is selected from acne, cellulites, folliculitis, boils (or carbuncles), staphylococcal scalded skin syndrome, Erysipelas, Erythrasma, Impetigo and Paronychia and wherein said skin condition involving fungal infections is selected from ringworm, Candidiasis, Tinea Pedis and Tinea versicolor.

100. (Previously presented) The composition according to claim 96 adapted for the treatment of skin conditions not associated with a bacterial or a fungal infection.

101. (Previously presented) The composition according to claim 100, wherein said skin condition is selected from diabetes related skin disorders, skin injuries, dermatitis, bed sores, dry skin, celluloses, corns, Keratosis Pilaris, psoriasis, pityriasis rosea and rosacea.

102. (Previously presented) The composition of claim 96 formulated as soap, lotion, hand cream, face cream, foot cream or a shampoo.

103. (Withdrawn) A method for the treatment of a subject suffering from a skin condition, said method comprises contacting the skin of said subject with an effective amount of an activated citrus peel extract (ACPE), said ACPE is prepared by an activation method which includes exposure of citrus peels to at least one pathogen, and comprises at least one or a combination of the following: oligosaccharides, short peptides, flavonoid glycosides, fatty acids, and triglycerides.

104. (Withdrawn) The method according to claim 103, wherein said ACPE comprises at least 30-60% oligosaccharides, 1-10% short peptides, 10-30% flavonoid glycosides, 5-15% fatty acids, and 5-15% triglycerides.

105. (Currently amended) A composition for use in preserving foods, beverages and cosmetics, said composition comprises an activated citrus peel extract (ACPE), said ACPE comprising at least one or a combination of the following: oligosaccharides, short peptides, flavonoid glycosides, fatty acids, and triglycerides; wherein said ACPE is prepared by an activation method comprising:

contacting citrus peels with spores of at least one fungal or bacterial pathogen, said pathogen being a 16 hour to 24 hours old bacteria or a 8 day to 14 day old fungus;

incubating said citrus peels;

extracting the peels with water, and removing the peels from the aqueous liquid, thereby obtaining an aqueous extract; and

filtering said aqueous extract through a membrane having a cutoff of between 800 and 2000 Da and concentrating the extract to obtain said activated citrus peel extract.

106. (Previously presented) The composition according to claim 105 wherein said ACPE comprises 55% oligosaccharides, 5% short peptides, 20% flavonoid glycosides, 10% fatty acids and 10% triglycerides.

107. (Withdrawn) The composition according to claim 106, wherein said composition is used as an antioxidant.

108. (Withdrawn) A method for preserving foods, beverages and cosmetics comprising applying to said foods, beverages or cosmetics an effective amount of activated citrus peel extract (ACPE), said ACPE prepared by an activation method which includes exposure of citrus peels to at least one pathogen, and comprising at least one or a combination of the following: oligosaccharides, short peptides, flavonoid glycosides, fatty acids, and triglycerides.

109. (Withdrawn) The method according to claim 108, wherein said ACPE comprises at least 30-60% oligosaccharides, 1-10% short peptides, 10-30% flavonoid glycosides, 5-15% fatty acids, and 5-15% triglycerides.

110. (Withdrawn) The method according to claim 109, wherein said ACPE comprises 50-60% oligosaccharides, 3-7% short peptides, 15-25% flavonoid glycosides, 8-12% fatty acids, and 8-12% triglycerides.

111. (Withdrawn) The method according to claim 110, wherein said ACPE comprises 55% oligosaccharides, 5% short peptides, 20% flavonoid glycosides, 10% fatty acids and 10% triglycerides.

112. (Withdrawn) A process for the preparation of an activated citrus peel extract (ACPE) comprising:

- (i) contacting citrus peels with spores of at least one fungal or bacterial pathogens, said pathogens being a 16 hour to 24 hour old bacteria or a 8 day to 14 old fungus,
- (ii) incubating said citrus peels;
- (iii) extracting the peels with water, and removing the peels from the aqueous liquid thereby obtaining an aqueous extract;
- (iv) filtering said aqueous liquid through a membrane having a cutoff between 800-2000 Da and concentrating the filtrate to obtain said activated citrus peel extract.

113. (Canceled)

114. (New) A composition comprising an activated citrus peel extract (ACPE), said ACPE comprises oligosaccharides, short peptides, flavonoid glycosides, fatty acids, and triglycerides.

115. (New) The composition of claim 114, wherein said ACPE comprises at least 30-60% oligosaccharides, 1-10% short peptides, 10-30% flavonoid glycosides, 5-15% fatty acids, and 5-15% triglycerides.

116. (New) A dermatological composition comprising: (i) an activated citrus peel extract (ACPE) comprising 55% oligosaccharides, 5% short peptides, 20% flavonoid glycosides,

10% fatty acids and 10% triglycerides and (ii) a dermatologically acceptable carrier, excipient or diluents.

117. (New) The composition according to claim 116 adapted for the treatment of skin conditions associated with a bacterial or a fungal infection.

118. (New) The composition according to claim 117, wherein said skin condition associated with a bacterial infection is selected from acne, cellulites, folliculitis, boils (or carbuncles), staphylococcal scalded skin syndrome, Erysipelas, Erythrasma, Impetigo and Paronychia and wherein said skin condition involving fungal infections is selected from ringworm, Candidiasis, Tinea Pedis and Tinea versicolor.

119. (New) The composition according to claim 118 adapted for the treatment of skin conditions not associated with a bacterial or a fungal infection.

120. (New) The composition according to claim 119, wherein said skin condition is selected from diabetes related skin disorders, skin injuries, dermatitis, bed sores, dry skin, celluloses, corns, Keratosis Pilaris, psoriasis, pityriasis rosea and rosacea.

121. (New) The composition of claim 116 formulated as soap, lotion, hand cream, face cream, foot cream or a shampoo.



122. (New) The composition according to claims 114 adapted for use in preserving foods, beverages and cosmetics, said composition comprises an activated citrus peel extract (ACPE), said ACPE comprising at least one or a combination of the following: oligosaccharides, short peptides, flavonoid glycosides, fatty acids, and triglycerides.